

Motorcycle Loader for Pickup Trucks

CLAIMS

What we claim as our invention is as follows:

1. A motorcycle loading device for use with a pickup truck. Said pickup truck consists of a cab, a frame, a bed or box, and a removable tailgate. Said pickup truck bed or box consists of a base, two sides, a front, and an open rear section for the mounting of the removable tailgate. Said mounting of the removable tailgate consists of attachment brackets, and attachment hardware.

The motorcycle loading device consists of:

- a) a ramp support structure connecting to the tailgate attachment brackets;
- b) an adaptor plate and arm connecting the pickup tailgate attachment hardware to the ramp support structure;
- c) a two segment pivoting telescoping ramp assembly with mounting and pivot hardware which attach to the support structure;
- d) a ramp support structure and ramp assembly, which when extended, provides an inclined planar surface from the ground to the truck bed;
- e) a damper reaction tube connecting the ramp assembly mounting lugs to a gas spring damper which modulates the rate of pivot of the ramp;
- f) a gas spring damper to modulate the rate of pivot.

2. A loading device of claim 1 wherein the ramp support frame uses the tailgate attachment brackets for attachment.
3. A loading device of claim 1 wherein the loading ramp consists of two telescoping sections pivotally coupled to the ramp support frame.
4. A loading device of claim 1 wherein the loading ramp and support structure may be easily installed or removed, without the use of tools, from the pickup truck.
5. A loading device of claim 1 wherein the loading ramp pivotal movement is controlled by the utilization of a gas spring or similar damping device.
6. A loading device of claim 1 wherein the loading ramp and support frame extends the bed of the truck, thus allowing for additional cargo space.
7. A loading device of claim 6 wherein the loading ramp, support frame and mounting components may be dimensionally adjusted to be utilized with various pickup trucks.
8. A loading device of claim 7 provides a planar surface along the entire ramp surface when in an extended position.